

A Modular Assembly for a Self-Indexing Computer Pointing Device

ABSTRACT

5 A pointing device having a puck sub-assembly and a base sub-assembly is disclosed. The puck sub-assembly includes a moveable puck having a user sensor that detects the interaction of a user and the puck. The puck is confined to move within a puck field of motion. The puck sub-assembly includes a support member having an opening therein that determines a boundary for the puck field of motion. The base sub-assembly includes a base
10 surface over which the puck moves, a position detector that measures the position of the puck in the puck field of motion, and an attachment mechanism. The attachment mechanism connects the base sub-assembly to the puck sub-assembly such that the puck sub-assembly is easily removed. The base surface is accessible when the puck sub-assembly is separated from the base assembly. The puck sub-assembly can also include a restoring mechanism that
15 returns the puck to a predetermined area.